

-14463 AAGCTTTTTA GTGCTTTAGA CAGTGAGCTG GTCTGTCTAA CCCAAGTGAC CTGGGCTCCA  
-14403 TACTCAGCCC CAGAAGTGAA GGGTGAAGCT GGGTGGAGCC AAACCAGGCA AGCCTACCCT  
-14343 CAGGGCTCCC AGTGGCCTGA GAACCATTGG ACCCAGGACC CATTACTTCT AGGGTAAGGA  
-14283 AGGTACAAAC ACCAGATCCA ACCATGGTCT GGGGGGACAG CTGTCAAATG CCTAAAAATA  
-14223 TACCTGGGAG AGGAGCAGGC AAACATATCAC TGCCCCAGGT TCTCTGAACA GAAACAGAGG  
-14163 GGCAACCCAA AGTCCAAATC CAGGTGAGCA GGTGCACCAA ATGCCAGAG ATATGACGAG  
-14103 GCAAGAAGTG AAGGAACCAC CCCTGCATCA AATGTTTTGC ATGGGAAGGA GAAGGGGGTT  
-14043 GCTCATGTTT CCAATCCAGG AGAATGCATT TGGGATCTGC CTTCTTCTCA CTCCTTGTTT  
-13983 AGCAAGACTA AGCAACCAGG ACTCTGGATT TGGGGAAAGA CGTTTATTTG TGGAGGCCAG  
-13923 TGATGACAAT CCCACGAGGG CCTAGGTGAA GAGGGCAGGA AAGCTCGAGA CACTGGGGAC  
-13863 TGAGTGAAAA CCACACCCAT GATCTGCACC ACCCATGGAT GCTCCTTCAT TGCTCACCTT  
-13803 TCTGTTGATA TCAGATGGCC CCATTTTCTG TACCTTCACA GAAGGACACA GGCTAGGGTC  
-13743 TGTGCATGGC CTTTCATCCCC GGGGCCATGT GAGGACAGCA GGTGGGAAAG ATCATGGGTC  
-13683 CTCCTGGGTC CTGCAGGGCC AGAACATTCA TCACCCATAC TGACCTCCTA GATGGGAATG  
-13623 GCTTCCCTGG GGCTGGGCCA ACGGGGCCCTG GGCAGGGGAG AAAGGACGTC AGGGGACAGG  
-13563 GAGGAAGGGT CATCGAGACC CAGCCTGGAA GGTTCCTGTC TCTGACCATC CAGGATTTAC  
-13503 TTCCCTGCAT CTACCTTTGG TCATTTTCCC TCAGCAATGA CCAGCTCTGC TTCCTGATCT  
-13443 CAGCCTCCCA CCCTGGACAC AGCACCCAG TCCCTGGCCC GGCTGCATCC ACCCAATACC  
-13383 CTGATAACCC AGGACCCATT ACTTCTAGGG TAAGGAGGGT CCAGGAGACA GAAGCTGAGG  
-13323 AAAGGTCTGA AGAAGTCACA TCTGTCCTGG CCAGAGGGGA AAAACCATCA GATGCTGAAC  
-13263 CAGGAGAATG TTGACCCAGG AAAGGGACCG AGGACCCAAG AAAGGAGTCA GACCACCAGG  
-13203 GTTTGCCTGA GAGGAAGGAT CAAGGCCCCG AGGGAAAGCA GGGCTGGCTG CATGTGCAGG  
-13143 AACTGCTGGG GGCATATGTG TCTTAGATTC TCCCTGAATT CAGTGTCCCT GCCATGGCCA  
-13083 GACTCTCTAC TCAGGCCTGG ACATGCTGAA ATAGGACAAT GGCCTTGCTC TCTCTCCCCA  
-13023 CCATTTGGCA AGAGACATAA AGGACATTCC AGGACATGCC TTCCTGGGAG GTCCAGGTTT  
-12963 TCTGTCTCAC ACCTCAGGGA CTGTAGTTAC TGCATCAGCC ATGGTAGGTG CTGATCTCAC  
-12903 CCAGCCTGTC CAGGCCCTTC CACTCTCCAC TTTGTGACCA TGTCCAGGAC CACCCCTCAG  
-12843 ATCCTGAGCC TGCAAATACC CCCTTGCTGG GTGGGTGGAT TCAGTAAACA GTGAGCTCCT

Fig. 2A

-12783 ATCCAGCCCC CAGAGCCACC TCTGTACCT TCCTGCTGGG CATCATCCCA CCTTCACAAG  
 -12723 CACTAAAGAG CATGGGGAGA CCTGGCTAGC TGGGTTTCTG CATCACAAAG AAAATAATCC  
 -12663 CCCAGGTTCTG GATTCCCAGG GCTCTGTATG TGGAGCTGAC AGACCTGAGG CCAGGAGATA  
 -12603 GCAGAGGTCA GCCCTAGGGA GGGTGGGTCA TCCACCCAGG GGACAGGGGT GCACCAGCCT  
 -12543 TGCTACTGAA AGGGCCTCCC CAGGACAGCG CCATCAGCCC TGCCTGAGAG CTTTGCTAAA  
 -12483 CAGCAGTCAG AGGAGGCCAT GGCAGTGGCT GAGCTCCTGC TCCAGGCCCC AACAGACCAG  
 -12423 ACCAACAGCA CAATGCAGTC CTTCCCCAAC GTCACAGGTC ACCAAAGGGA AACTGAGGTG  
 -12363 CTACCTAACC TTAGAGCCAT CAGGGGAGAT AACAGCCCAA TTTCCCAAAC AGGCCAGTTT  
 -12303 CAATCCCATG ACAATGACCT CTCTGCTCTC ATTCTTCCCA AAATAGGACG CTGATTCTCC  
 -12243 CCCACCATGG ATTTCTCCCT TGTCCTGGGA GCCTTTTCTG CCCCCATGA TCTGGGCACT  
 -12183 CCTGACACAC ACCTCCTCTC TGGTGACATA TCAGGGTCCC TCACTGTCAA GCAGTCCAGA  
 -12123 AAGGACAGAA CCTTGGACAG CGCCCATCTC AGCTTCACCC TTCCTCCTTC ACAGGGTTCA  
 -12063 GGGCAAAGAA TAAATGGCAG AGGCCAGTGA GCCCAGAGAT GGTGACAGGC AGTGACCCAG  
 -12003 GGGCAGATGC CTGGAGCAGG AGCTGGCGGG GCCACAGGGA GAAGGTGATG CAGGAAGGGA  
 -11943 AAGCCAGAAA TGGGCAGGAA AGGAGGACAC AGGCTCTGTG GGGCTGCAGC CCAGGGTTGG  
 -11883 ACTATGAGTG TGAAGCCATC TCAGCAAGTA AGGCCAGGTC CCATGAACAA GAGTGGGAGC  
 -11823 ACGTGGCTTC CTGCTCTGTA TATGGGGTGG GGGATTCCAT GCCCCATAGA ACCAGATGGC  
 -11763 CGGGGTTTCTAG ATGGAGAAGG AGCAGGACAG GGGATCCCCA GGATAGGAGG ACCCCAGTGT  
 -11703 CCCCACCCAG GCAGGTGACT GATGAATGGG CATGCAGGGT CCTCCTGGGC TGGGCTCTCC  
 -11643 CTTTGTCCCT CAGGATTCCCT TGAAGGAACA TCCGGAAGCC GACCACATCT ACCTGGTGGG  
 -11583 TTCTGGGGAG TCCATGTAAA GCCAGGAGCT TGTGTTGCTA GGAGGGGTCA TGGCATGTGC  
 -11523 TGGGGGCACC AAAGAGAGAA ACCTGAGGGC AGGCAGGACC TGGTCTGAGG AGGCATGGGA  
 -11463 GCCCAGATGG GGAGATGGAT GTCAGGAAAG GCTGCCCCAT CAGGGAGGGT GATAGCAATG  
 -11403 GGGGGTCTGT GGGAGTGGGC ACGTGGGATT CCCTGGGCTC TGCCAAGTTC CCTCCCATAG  
 -11343 TCACAACCTG GGGACACTGC CCATGAAGGG GCGCCTTTGC CCAGCCAGAT GCTGCTGGTT  
 -11283 CTGCCCATCC ACTACCCTCT CTGCTCCAGC CACTCTGGGT CTTTCTCCAG ATGCCCTGGA  
 -11223 CAGCCCTGGC CTGGGCCTGT CCCCTGAGAG GTGTTGGGAG AAGCTGAGTC TCTGGGGACA  
 -11163 CTCTCATCAG AGTCTGAAAG GCACATCAGG AAACATCCCT GGTCTCCAGG ACTAGGCAAT

Fig. 2B

-11103 GAGGAAAGGG CCCAGCTCC TCCCTTTGCC ACTGAGAGGG TCGACCCTGG GTGGCCACAG  
-11043 TGAATTCTGC GTCTGTCCCA GTCACCCTGA AACCACAACA AAACCCAGC CCCAGACCCT  
-10983 GCAGGTACAA TACATGTGGG GACAGTCTGT ACCCAGGGGA AGCCAGTTCT CTCTTCCTAG  
-10923 GAGACCGGGC CTCAGGGCTG TGCCCGGGG AGGCGGGGGC AGCACGTGCC TGTCCCTTGAG  
-10863 AACTCGGGAC CTTAAGGGTC TCTGCTCTGT GAGGCACAGC AAGGATCCTT CTGTCCAGAG  
-10803 ATGAAAGCAG CTCCTGCCCC TCCTCTGACC TCTTCCTCCT TCCCAAATCT CAACCAACAA  
-10743 ATAGGTGTTT CAAATCTCAT CATCAAATCT TCATCCATCC ACATGAGAAA GCTTAAAAACC  
-10683 CAATGGATTG ACAACATCAA GAGTTGGAAC AAGTGGACAT GGAGATGTTA CTTGTGGAAA  
-10623 TTTAGATGTG TTCAGCTATC GGGCAGGAGA ATCTGTGTCA AATTCCAGCA TGGTTCAGAA  
-10563 GAATCAAAAA GTGTCACAGT CCAAATGTGC AACAGTGCAG GGGATAAAAC TGTGGTGCAT  
-10503 TCAAACGTAG GGATATTTTG GAACATGAGA AAGGAAGGGA TTGCTGCTGC ACAGAACATG  
-10443 GATGATCTCA CACATAGAGT TGAAAGAAAG GAGTCAATCG CAGAATAGAA AATGATCACT  
-10383 AATTCCACCT CTATAAGTT TCCAAGAGGA AAACCCAATT CTGCTGCTAG AGATCAGAAT  
-10323 GGAGGTGACC TGTGCCTTGC AATGGCTGTG AGGGTCACGG GAGTGTCACT TAGTGCAGGC  
-10263 AATGTGCCGT ATCTTAATCT GGGCAGGGCT TTCATGAGCA CATAGGAATG CAGACATTAC  
-10203 TGCTGTGTTT ATTTTACTTC ACCGAAAAG AAGAATAAAA TCAGCCGGGC GCGGTGGCTC  
-10143 ACGCCTGTAA TCCCAGCACT TTAGAAGGCT GAGGTGGGCA GATTACTTGA GGTCAAGAGT  
-10083 TCAAGACCAC CCTGGCCAAT ATGGTGAAAC CCCGGCTCTA CTAAAAATAC AAAAATTAGC  
-10023 TGGGCATGGT GGTGCGCGCC TGTAATCCCA GCTACTCGGG AGGCTGAGGC TGGACAATTG  
-9963 CTTGGACCCA GGAAGCAGAG GTTGCAGTGA GCCAAGATTG TGCCACTGCA CTCCAGCTTG  
-9903 GGCAACAGAG CCAGACTCTG TAAAAAATAA AAAAAAATAA AAAAAAGAA AGAAAGAAAA  
-9843 AGAAAGAAA GTATAAATC TCTTTGGGTT AACAAAAATA GATCCACAAA ACAAACACCA  
-9783 GCTCTTATCA AACTTACACA ACTCTGCCAG AGAACAGGAA ACACAAATAC TCATTAATC  
-9723 ACTTTTGTGG CAATAAAACC TTCATGTCAA AAGGAGACCA GGACACAATG AGGAAGTAAA  
-9663 ACTGCAGGCC CTACTTGGGT GCAGAGAGGG AAAATCCACA AATAAAACAT TACCAGAAGG  
-9603 AGCTAAGATT TACTGCATTG AGTTCATTCC CCAGGTATGC AAGGTGATTT TAACACCTGA  
-9543 AAATCAATCA TTGCCTTTAC TACATAGACA GATTAGCTAG AAAAAAATTA CAACTAGCAG  
-9483 AACAGAAGCA ATTTGGCCTT CCTAAAATTC CACATCATAT CATCATGATG GAGACAGTGC

Fig. 2C

-9423 AGACGCCAAT GACAATAAAA AGAGGGACCT CCGTCACCCG GTAAACATGT CCACACAGCT  
 -9363 CCAGCAAGCA CCCGTCTTCC CAGTGAATCA CTGTAACCTC CCCTTTAATC AGCCCCAGGC  
 -9303 AAGGCTGCCT GCGATGGCCA CACAGGCTCC AACCCGTGGG CCTCAACCTC CCGCAGAGGC  
 -9243 TCTCCTTTGG CCACCCCATG GGGAGAGCAT GAGGACAGGG CAGAGCCCTC TGATGCCAC  
 -9183 ACATGGCAGG AGCTGACGCC AGAGCCATGG GGGCTGGAGA GCAGAGCTGC TGGGGTCAGA  
 -9123 GCTTCCTGAG GACACCCAGG CCTAAGGGAA GGCAGCTCCC TGGATGGGGG CAACCAGGCT  
 -9063 CCGGGCTCCA ACCTCAGAGC CCGCATGGGA GGAGCCAGCA CTCTAGGCCT TTCCTAGGGT  
 -9003 GACTCTGAGG GGACCCTGAC ACGACAGGAT CGCTGAATGC ACCCGAGATG AAGGGGCCAC  
 -8943 CACGGGACCC TGCTCTCGTG GCAGATCAGG AGAGAGTGGG ACACCATGCC AGGCCCCCAT  
 -8883 GGCATGGCTG CGACTGACCC AGGCCACTCC CCTGCATGCA TTAGCCTCGG TAAGTCACAT  
 -8823 GACCAAGCCC AGGACCAATG TGGAAGGAAG GAAACAGCAT CCCCTTTAGT GATGGAACCC  
 -8763 AAGGTCAGTG CAAAGAGAGG CCATGAGCAG TTAGGAAGGG TGGTCCAACC TACAGCACAA  
 -8703 ACCATCATCT ATCATAAGTA GAAGCCCTGC TCCATGACCC CTGCATTTAA ATAAACGTTT  
 -8643 GTTAAATGAG TCAAATTCCC TCACCATGAG AGCTCACCTG TGTGTAGGCC CATCACACAC  
 -8583 ACAAACACAC ACACACACAC ACACACACAC ACACACACAC ACAGGGAAAG TGCAGGATCC  
 -8523 TGGACAGCAC CAGGCAGGCT TCACAGGCAG AGCAAACAGC GTGAATGACC CATGCAGTGC  
 -8463 CCTGGGCCCC ATCAGCTCAG AGACCCTGTG AGGGCTGAGA TGGGGCTAGG CAGGGGAGAG  
 -8403 ACTTAGAGAG GGTGGGGCCT CCAGGGAGGG GGCTGCAGGG AGCTGGGTAC TGCCCTCCAG  
 -8343 GGAGGGGGCT GCAGGGAGCT GGGTACTGCC CTCCAGGGAG GGGGCTGCAG GGAGCTGGGT  
 -8283 ACTGCCCTCC AGGGAGGGGG CTGCAGGGAG CTGGGTACTG CCCTCCAGGG AGGGGGCTGC  
 -8223 AGGGAGCTGG GTACTGCCCT CCAGGGAGGC AGGAGCACTG TTCCCAACAG AGAGCACATC  
 -8163 TTCCTGCAGC AGCTGCACAG ACACAGGAGC CCCCATGACT GCCCTGGGCC AGGGTGTGGA  
 -8103 TTCCAAATTT CGTGCCCCAT TGGGTGGGAC GGAGGTTGAC CGTGACATCC AAGGGGCATC  
 -8043 TGTGATTCCA AACTTAAACT ACTGTGCCTA CAAAATAGGA AATAACCCTA CTTTTTCTAC  
 -7983 TATCTCAAAT TCCCTAAGCA CAAGCTAGCA CCCTTTAAAT CAGGAAGTTC AGTCACTCCT  
 -7923 GGGGTCCTCC CATGCCCCCA GTCTGACTTG CAGGTGCACA GGGTGGCTGA CATCTGTCCT  
 -7863 TGCTCCTCCT CTTGGCTCAA CTGCCGCCCC TCCTGGGGGT GACTGATGGT CAGGACAAGG  
 -7803 GATCCTAGAG CTGGCCCCAT GATTGACAGG AAGGCAGGAC TTGGCCTCCA TTCTGAAGAC

Fig. 2D

-7743 TAGGGGTGTC AAGAGAGCTG GGCATCCCAC AGAGCTGCAC AAGATGACGC GGACAGAGGG  
 -7683 TGACACAGGG CTCAGGGCTT CAGACGGGTC GGGAGGCTCA GCTGAGAGTT CAGGGACAGA  
 -7623 CCTGAGGAGC CTCAGTGGGA AAAGAAGCAC TGAAGTGGGA AGTTCTGGAA TGTCTGGAC  
 -7563 AAGCCTGAGT GCTCTAAGGA AATGCTCCCA CCCCAGTGTA GCCTGCAGCA CTGGACGGTC  
 -7503 TGTGTACCTC CCCGCTGCCC ATCCTCTCAC AGCCCCCGCC TCTAGGGACA CAACTCCTGC  
 -7443 CCTAACATGC ATCTTTCTCTG TCTCATTCAC CACAAAAGGG CCTCTGGGGT CCCTGTTCTG  
 -7383 CATTGCAAGG AGTGGAGGTC ACGTTCCCAC AGACCACCCA GCAACAGGGT CCTATGGAGG  
 -7323 TGCGGTCAGG AGGATCACAC GTCCCCCAT GCCCAGGGGA CTGACTCTGG GGGTGATGGA  
 -7263 TTGGCCTGGA GGCCACTGGT CCCCTCTGTC CCTGAGGGGA ATCTGCACCC TGGAGGCTGC  
 -7203 CACATCCCTC CTGATTCTTT CAGCTGAGGG CCCTTCTTGA AATCCCAGGG AGGACTCAAC  
 -7143 CCCCCTGGG AAAGGCCAG TGTGGACGGT TCCACAGCAG CCCAGCTAAG GCCCTTGGAC  
 -7083 ACAGATCCTG AGTGAGAGAA CCTTTAGGGA CACAGGTGCA CGGCCATGTC CCCAGTGCCC  
 -7023 ACACAGAGCA GGGGCATCTG GACCCTGAGT GTGTAGCTCC CGCGACTGAA CCCAGCCCTT  
 -6963 CCCCAATGAC GTGACCCCTG GGGTGGCTCC AGGTCTCCAG TCCATGCCAC CAAAATCTCC  
 -6903 AGATTGAGGG TCCTCCCTTG AGTCCCTGAT GCCTGTCCAG GAGCTGCCCC CTGAGCAAAT  
 -6843 CTAGAGTGCA GAGGGCTGGG ATTGTGGCAG TAAAAGCAGC CACATTTGTC TCAGGAAGGA  
 -6783 AAGGGAGGAC ATGAGCTCCA GGAAGGGCGA TGGCGTCCTC TAGTGGGCGC CTCCTGTTAA  
 -6723 TGAGCAAAAA GGGGCCAGGA GAGTTGAGAG ATCAGGGCTG GCCTTGGA CTGAGCTCAGA  
 -6663 TGGAGAGGAC TGAGGTGCAA AGAGGGGGCT GAAGTAGGGG AGTGGTCGGG AGAGATGGGA  
 -6603 GGAGCAGGTA AGGGGAAGCC CCAGGGAGGC CGGGGGAGGG TACAGCAGAG CTCTCCACTC  
 -6543 CTCAGCATTG ACATTTGGGG TGGTCGTGCT AGTGGGGTTC TGTAAGTTGT AGGGTGTTC  
 -6483 GCACCATCTG GGGACTCTAC CCACTAAATG CCAGCAGGAC TCCCTCCCCA AGCTCTAACA  
 -6423 ACCAACAATG TCTCCAGACT TTCCAAATGT CCCCTGGAGA GCAAAATTGC TTCTGGCAGA  
 -6363 ATCACTGATC TACGTAGTC TCTAAAAGTG ACTCATCAGC GAAATCCTTC ACCTCTTGGG  
 -6303 AGAAGAATCA CAAGTGTGAG AGGGGTAGAA ACTGCAGACT TCAAAATCTT TCCAAAAGAG  
 -6243 TTTTACTTAA TCAGCAGTTT GATGTCCCAG GAGAAGATAC ATTTAGAGTG TTTAGAGTTG  
 -6183 ATGCCACATG GCTGCCTGTA CCTCACAGCA GGAGCAGAGT GGGTTTTCCA AGGGCCTGTA  
 -6123 ACCACAAC TG AATGACACT CACTGGGTTA CATTACAAAG TGAATGTGG GGAATTCTGT

Fig. 2E

-6063 AGACTTTGGG AAGGGAAATG TATGACGTGA GCCCACAGCC TAAGGCAGTG GACAGTCCAC  
 -6003 TTTGAGGCTC TCACCATCTA GGAGACATCT CAGCCATGAA CATAGCCACA TCTGTCATTA  
 -5943 GAAAACATGT TTTATTAAGA GGAAAAATCT AGGCTAGAAG TGCTTTATGC TCTTTTTTCT  
 -5883 CTTTATGTTT AAATTCATAT ACTTTTAGAT CATTCCTTAA AGAAGAATCT ATCCCCCTAA  
 -5823 GTAAATGTTA TCACTGACTG GATAGTGTTG GTGTCTCACT CCCAACCCTT GTGTGGTGAC  
 -5763 AGTGCCCTGC TTCCCCAGCC CTGGGCCCTC TCTGATTCTT GAGAGCTTTG GGTGCTCCTT  
 -5703 CATTAGGAGG AAGAGAGGAA GGGTGTTTTT AATATTCTCA CCATTACACC ATCCACCTCT  
 -5643 TAGACACTGG GAAGAATCAG TTGCCCCACTC TTGGATTTGA TCCTCGAATT AATGACCTCT  
 -5583 ATTTCTGTCC CTTGTCCATT TCAACAATGT GACAGGCCTA AGAGGTGCCT TCTCCATGTG  
 -5523 ATTTTGTAGG AGAAGGTTCT CAAGATAAGT TTTCTCACAC CTCTTTGAAT TACCTCCACC  
 -5463 TGTGTCCCCA TCACCATTAC CAGCAGCATT TGGACCCTTT TTCTGTTAGT CAGATGCTTT  
 -5403 CCACCTCTTG AGGGTGTATA CTGTATGCTC TCTACACAGG AATATGCAGA GGAAATAGAA  
 -5343 AAAGGGAAAT CGCATTACTA TTCAGAGAGA AGAAGACCTT TATGTGAATG AATGAGAGTC  
 -5283 TAAATCCTA AGAGAGCCCC TATAAAATTA TTACCAGTGC TAAACTACA AAAGTTACAC  
 -5223 TAACAGTAAA CTAGAATAAT AAAACATGCA TCACAGTTGC TGGTAAAGCT AAATCAGATA  
 -5163 TTTTTTTCTT AGAAAAAGCA TTCCATGTGT GTTGCAAGTGA TGACAGGAGT GCCCTTCAGT  
 -5103 CAATATGCTG CCTGTAATTT TTGTTCCCTG GCAGAATGTA TTGTCTTTTC TCCCTTTAAA  
 -5043 TCTTAAATGC AAAACTAAAG GCAGCTCCTG GGCCCCCTCC CCAAAGTCAG CTGCCTGCAA  
 -4983 CCAGCCCCAC GAAGAGCAGA GGCCTGAGCT TCCCTGGTCA AAATAGGGGG CTAGGGAGCT  
 -4923 TAACCTTGCT CGATAAAGCT GTGTTCCCAG AATGTCGCTC CTGTTCCCAG GGGCACCAGC  
 -4863 CTGGAGGGTG GTGAGCCTCA CTGGTGGCCT GATGCTTACC TTGTGCCCTC ACACCAGTGG  
 -4803 TCACTGGAAC CTTGAACACT TGGCTGTGCG CCGGATCTGC AGATGTCAAG AACTTCTGGA  
 -4743 AGTCAAATTA CTGCCCACCT CTCCAGGGCA GATACCTGTG AACATCCAAA ACCATGCCAC  
 -4683 AGAACCCTGC CTGGGGTCTA CAACACATAT GGACTGTGAG CACCAAGTCC AGCCCTGAAT  
 -4623 CTGTGACCAC CTGCCAAGAT GCCCCTAACT GGGATCCACC AATCACTGCA CATGGCAGGC  
 -4563 AGCGAGGCTT GGAGGTGCTT CGCCACAAGG CAGCCCCAAT TTGCTGGGAG TTTCTTGCCA  
 -4503 CCTGGTAGTG GTGAGGAGCC TTGGGACCCT CAGGATTACT CCCCTTAAGC ATAGTGGGGA  
 -4443 CCCTTCTGCA TCCCCAGCAG GTGCCCCGCT CTTGAGAGCC TCTCTCTCTG AGGTTTACCC

Fig. 2F

-4383 AGACCCCTGC ACCAATGAGA CCATGCTGAA GCCTCAGAGA GAGAGATGGA GCTTTGACCA  
 -4323 GGAGCCGCTC TTCCTTGAGG GCCAGGGCAG GGAAAGCAGG AGGCAGCACC AGGAGTGGGA  
 -4263 ACACCAAGTGT CTAAGCCCCT GATGAGAACA GGGTGGTCTC TCCCATATGC CCATACCAGG  
 -4203 CCTGTGAACA GAATCCTCCT TCTGCAGTGA CAATGTCTGA GAGGACGACA TGTTTCCCAG  
 -4143 CCTAACGTGC AGCCATGCCC ATCTACCCAC TGCCTACTGC AGGACAGCAC CAACCCAGGA  
 -4083 GCTGGGAAGC TGGGAGAAGA CATGGAATAC CCATGGCTTC TCACCTTCCT CCAGTCCAGT  
 -4023 GGGCACCATT TATGCCTAGG ACACCCACCT GCCGGCCCCA GGCTCTTAAG AGTTAGGTCA  
 -3963 CCTAGGTGCC TCTGGGAGGC CGAGGCAGGA GAATTGCTTG AACCCGGGAG GCAGAGGTTG  
 -3903 CAGTGAGCCG AGATCACACC ACTGCACTCC AGCCTGGGTG ACAGAATGAG ACTCTGTCTC  
 -3843 AAAAAAAAAAG AGAAAGATAG CATCAGTGGC TACCAAGGGC TAGGGGCAGG GGAAGGTGGA  
 -3783 GAGTTAATGA TTAATAGTAT GAAGTTTCTA TGTGAGATGA TGAAAATGTT CTGGAAAAA  
 -3723 AAATATAGTG GTGAGGATGT AGAATATTGT GAATATAATT AACGGCATT T AATTGTACAC  
 -3663 TTAACATGAT TAATGTGGCA TATTTTATCT TATGTATTG ACTACATCCA AGAAACACTG  
 -3603 GGAGAGGGAA AGCCCACCAT GTAAAATACA CCCACCCTAA TCAGATAGTC CTCATTGTAC  
 -3543 CCAGGTACAG GCCCCTCATG ACCTGCACAG GAATAACTAA GGATTTAAGG ACATGAGGCT  
 -3483 TCCCAGCCAA CTGCAGGTGC ACAACATAAA TGTATCTGCA AACAGACTGA GAGTAAAGCT  
 -3423 GGGGGCACAA ACCTCAGCAC TGCCAGGACA CACACCCTTC TCGTGGATTG TGACTTTATC  
 -3363 TGACCCGGCC CACTGTCCAG ATCTTGTTGT GGGATTGGGA CAAGGGAGGT CATAAAGCCT  
 -3303 GTCCCCAGGG CACTCTGTGT GAGCACACGA GACCTCCCCA CCCCCCACC GTTAGGTCTC  
 -3243 CACACATAGA TCTGACCATT AGGCATTGTG AGGAGGACTC TAGCGCGGGC TCAGGGATCA  
 -3183 CACCAGAGAA TCAGGTACAG AGAGGAAGAC GGGGCTCGAG GAGCTGATGG ATGACACAGA  
 -3123 GCAGGGTTCC TGCACTCCAC AGGTCCAGCT CACCCTGGTG TAGGTGCCCC ATCCCCCTGA  
 -3063 TCCAGGCATC CCTGACACAG CTCCCTCCCG GAGCCTCCTC CCAGGTGACA CATCAGGGTC  
 -3003 CCTCACTCAA GCTGTCCAGA GAGGGCAGCA CCTTGGACAG CGCCCACCCC ACTTCACTCT  
 -2943 TCCTCCCTCA CAGGGCTCAG GGCTCAGGGC TCAAGTCTCA GAACAAATGG CAGAGGCCAG  
 -2883 TGAGCCCAGA GATGGTGACA GGGCAATGAT CCAGGGGCAG CTGCCTGAAA CGGGAGCAGG  
 -2823 TGAAGCCACA GATGGGAGAA GATGGTTCAG GAAGAAAAAT CCAGGAATGG GCAGGAGAGG  
 -2763 AGAGGAGGAC ACAGGCTCTG TGGGGCTGCA GCCCAGGATG GGAATAAGTG TGAAGACATC

Fig. 2G

-2703 TCAGCAGGTG AGGCCAGGTC CCATGAACAG AGAAGCAGCT CCCACCTCCC CTGATGCACG  
 -2643 GACACACAGA GTGTGTGGTG CTGTGCCCCC AGAGTCGGGC TCTCCTGTTC TGGTCCCCAG  
 -2583 GGAGTGAGAA GTGAGGTTGA CTTGTCCCTG CTCCTCTCTG CTACCCCAAC ATTCACCTTC  
 -2523 TCCTCATGCC CCTCTCTCTC AAATATGATT TGGATCTATG TCCCCGCCCA AATCTCATGT  
 -2463 CAAATTGTAA ACCCCAATGT TGGAGGTGGG GCCTTGTGAG AAGTGATTGG ATAATGCGGG  
 -2403 TGGATTTTCT GCTTTGATGC TGTTTCTGTG ATAGAGATCT CACATGATCT GGTGTGTTAA  
 -2343 AAGTGTGTAG CACCTCTCCC CTCTCTCTCT CTCTCTCTTA CTCATGCTCT GCCATGTAAG  
 -2283 ACGTTCCTGT TTCCCCTTCA CCGTCCAGAA TGATTGTAAG TTTTCTGAGG CCTCCCCAGG  
 -2223 AGCAGAAGCC ACTATGCTTC CTGTACAACT GCAGAATGAT GAGCGAATTA AACCTCTTTT  
 -2163 CTTTATAAAT TACCCAGTCT CAGGTATTTT TTTATAGCAA TGGGAGGACA GACTAATACA  
 -2103 ATCTTCTACT CCCAGATCCC CGCACACGCT TAGCCCCAGA CATCACTGCC CCTGGGAGCA  
 -2043 TGCACAGCGC AGCCTCCTGC CGACAAAAGC AAAGTCACAA AAGGTGACAA AAATCTGCAT  
 -1983 TTGGGGACAT CTGATTGTGA AAGAGGGAGG ACAGTACACT TGTAGCCACA GAGACTGGGG  
 -1923 CTCACCGAGC TGAAACCTGG TAGCACTTTG GCATAACATG TGCATGACCC GTGTTCAATG  
 -1863 TCTAGAGATC AGTGTTGAGT AAAACAGCCT GGTCTGGGGC CGCTGCTGTC CCCACTTCCC  
 -1803 TCCTGTCCAC CAGAGGGCGG CAGAGTTCCT CCCACCCTGG AGCCTCCCCA GGGGCTGCTG  
 -1743 ACCTCCCTCA GCCGGGCCCA CAGCCCAGCA GGGTCCACCC TCACCCGGGT CACCTCGGCC  
 -1683 CACGTCCTCC TCGCCCTCCG AGCTCCTCAC ACGGACTCTG TCAGCTCCTC CCTGCAGCCT  
 -1623 ATCGGCCGCC CACCTGAGGC TTGTCGGCCG CCCACTTGAG GCCTGTCGGC TGCCCTCTGC  
 -1563 AGGCAGCTCC TGTCCCCTAC ACCCCCTCCT TCCCCGGGCT CAGCTGAAAG GGCCTCTCCC  
 -1503 AGGGCAGCTC CCTGTGATCT CCAGGACAGC TCAGTCTCTC ACAGGCTCCG ACGCCCCCTA  
 -1443 TGCTGTCACC TCACAGCCCT GTCATTACCA TTAACCTCTC AGTCCCATGA AGTTCACTGA  
 -1383 GCGCCTGTCT CCCGGTTACA GGAAAACCTCT GTGACAGGGA CCACGTCTGT CCTGCTCTCT  
 -1323 GTGGAATCCC AGGGCCCAGC CCAGTGCCTG ACACGGAACA GATGCTCCAT AAATACTGGT  
 -1263 TAAATGTGTG GGAGATCTCT AAAAAGAAGC ATATCACCTC CGTGTGGCCC CCAGCAGTCA  
 -1203 GAGTCTGTTC CATGTGGACA CAGGGGCACT GGCACCAGCA TGGGAGGAGG CCAGCAAGTG  
 -1143 CCCGCGGCTG CCCAGGAAT GAGGCCCTCA CCCCAGAGC TTCAGAAGGG AGGACAGAGG  
 -1083 CCTGCAGGGA ATAGATCCTC CGGCCTGACC CTGCAGCCTA ATCCAGAGTT CAGGGTCAGC

Fig. 2H

10045116 "102301"

-1023 TCACACCACG TCGACCCTGG TCAGCATCCC TAGGGCAGTT CCAGACAAGG CCGGAGGTCT  
 -963 CCTCTTGCCC TCCAGGGGGT GACATTGCAC ACAGACATCA CTCAGGAAAC GGATTCCCCT  
 -903 GGACAGGAAC CTGGCTTTGC TAAGGAAGTG GAGGTGGAGC CTGGTTTCCA TCCCTTGCTC  
 -843 CAACAGACCC TTCTGATCTC TCCCACATAC CTGCTCTGTT CCTTTCTGGG TCCTATGAGG  
 -783 ACCCTGTTCT GCCAGGGGTC CCTGTGCAAC TCCAGACTCC CTCCTGGTAC CACCATGGGG  
 -723 AAGGTGGGGT GATCACAGGA CAGTCAGCCT CGCAGAGACA GAGACCACCC AGGACTGTCA  
 -663 GGGAGAACAT GGACAGGCCC TGAGCCGCAG CTCAGCCAAC AGACACGGAG AGGGAGGGTC  
 -603 CCCCTGGAGC CTTCCCCAAG GACAGCAGAG CCCAGAGTCA CCCACCTCCC TCCACCACAG  
 -543 TCCTCTCTTT CCAGGACACA CAAGACACCT CCCCCTCCAC ATGCAGGATC TGGGGACTCC  
 -483 TGAGACCTCT GGGCCTGGGT CTCCATCCCT GGGTCAGTGG CGGGGTGGT GGTACTGGAG  
 -423 ACAGAGGGCT GGTCCCTCCC CAGCCACCAC CCAGTGAGCC TTTTCTAGC CCCCAGAGCC  
 -363 ACCTCTGTCA CTTTCTGTGTT GGGCATCATC CCACCTTCCC AGAGCCCTGG AGAGCATGGG  
 -303 GAGACCCGGG ACCCTGCTGG GTTCTCTGT CACAAAGGAA AATAATCCCC CTGGTGTGAC  
 -243 AGACCCAAGG ACAGAACACA GCAGAGGTCA GCACTGGGGA AGACAGGTTG TCCTCCCAGG  
 -183 GGATGGGGGT CCATCCACCT TGCCGAAAAG ATTTGTCTGA GGAAGTAAA ATAGAAGGGA  
 -123 AAAAAGAGGA GGGACAAAAG AGGCAGAAAT GAGAGGGGAG GGGACAGAGG ACACCTGAAT  
 -63 AAAGACCACA CCCATGACCC ACGTGATGCT GAGAAGTACT CCTGCCCTAG GAAGAGACTC  
 -3 AGGGCAGAGG GAGGAAGGAC AGCAGACCAG ACAGTCACAG CAGCCTTGAC AAAACGTTCC  
 57 TGGAAGTCAA GCTCTTCTCC ACAGAGGAGG ACAGAGCAGA CAGCAGAGAC CATGGAGTCT  
 117 CCCTCGGCCC CTCCCCACAG ATGGTGCATC CCCTGGCAGA GGCTCCTGCT CACAGGTGAA  
 177 GGGAGGACAA CCTGGGAGAG GGTGGGAGGA GGGAGCTGGG GTCTCCTGGG TAGGACAGGG  
 237 CTGTGAGACG GACAGAGGGC TCCTGTTGGA GCCTGAATAG GGAAGAGGAC ATCAGAGAGG  
 297 GACAGGAGTC ACACCAGAAA AATCAAATTG AACTGGAATT GGAAAGGGGC AGGAAAACCT  
 357 CAAGAGTTCT ATTTTCCTAG TTAATTGTCA CTGGCCACTA CGTTTTTAAA AATCATAATA  
 417 ACTGCATCAG ATGACACTTT AAATAAAAAC ATAACCAGGG CATGAAACAC TGTCTCATC  
 477 CGCCTACCGC GGACATTGGA AAATAAGCCC CAGGCTGTGG AGGGCCCTGG GAACCCTCAT  
 537 GAACTCATCC ACAGGAATCT GCAGCCTGTC CCAGGCACTG GGGTGCAACC AAGATC

Fig. 2I